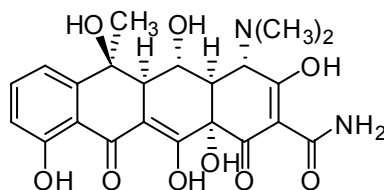


Oxytetracycline

Code: **BIA-O1336**

Pack sizes: **5 mg, 25 mg**



Synonyms : **Terramycin**

Specifications

CAS # : **79-57-2**
Molecular Formula : **C₂₂H₂₄N₂O₉**
Molecular Weight : **460.4**
Source : ***Streptomyces rimosus***
Appearance : **Light tan solid**
Purity : **>98%**
Storage : **-20°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.**

Application Notes

Oxytetracycline (terramycin) is a linear tetracyclic broad spectrum antibiotic originally isolated from *Streptomyces rimosus* in 1949. Oxytetracycline, although less coloured than other tetracyclines, is still a pigment and is thus sensitive to environmental and storage conditions. Commercial oxytetracycline may contain significant levels of degradation products. At BioAustralis, oxytetracycline has been purified to remove contaminants and is provided as the free base.

References

1. Terramycin, a new antibiotic. Finlay A.C. *et al.* Science **1950**, 111, 85.
2. The structure of terramycin. Hochstein F.A.J. *et al.* Am. Chem. Soc. **1953**, 75, 5455.
3. Quantitative analysis of oxytetracycline and its impurities by LC-MS-MS. Lykkeberg A.K. *et al.* J. Pharm. Biomed. Anal. **2004**, 34, 325.